IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Original): A magnetic recording medium comprising: a substrate;

an underlayer formed on the substrate;

a magnetic layer formed on the underlayer, wherein the magnetic layer comprising crystal grains having

(a) an L1₀ structure mainly including Fe and Pt, and

(b) 0.1 to 50 atomic percent of at least one element selected from the group consisting of Cu, Au, Zn, Sn, Pd and Mn; and

a protective layer formed on the magnetic layer.

Claim 2 (Original): The medium according to claim 1, wherein the substrate is a glass substrate.

Claim 3 (Original): The medium according to claim 1, wherein the crystal grain has a composition represented by the following formula:

 $(Fe_{1-x}Pt_x)_{100-v}M_v$

where x ranges from 0.4 to 0.6, y ranges from 0.1 to 50, M is at least one element selected from the group consisting of Cu, Au, Zn, Sn, Pd and Mn.

Claim 4 (Original): The medium according to claim 3, wherein x ranges from 0.4 to 0.56, y ranges from 3 to 20.

Claim 5 (Original): The medium according to claim l, wherein the magnetic layer has a thickness of 50 nm or less.

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Claim 6 (Original): A magnetic recording medium comprising: a substrate;

an underlayer formed on the substrate;

a magnetic layer formed on the underlayer, where: the magnetic layer comprising crystal grains having

- (a) an L1₀ structure mainly including Fe and Pd, and
- (b) 0.1 to 50 atomic percent of at least one element selected from the group consisting of Cu, Au, Zn, Sn and Mn; and

a protective layer formed on the magnetic layer.

Claim 7 (Original): The medium according to claim 6, wherein the substrate is a glass substrate.

Claim 8 (Original): The medium according to claim 6, wherein the crystal grain has a composition represented by the following formula:

 $(Fe_{l-x}Pd_x)_{100-y}M_y$

where x ranges from 0.4 to 0.6, y ranges from 0.1 to 50, M is at least one element selected from the group consisting of Cu, Au, Zn, Sn and Mn.

Claim 9 (Original): The medium according to claim 8, wherein x ranges from 0.4 to 0.56, y ranges from 3 to 20.

Claim 10 (Original): The medium according to claim 6, wherein the magnetic layer has a thickness of 50 nm or less.

Claim 11 (Original): A magnetic recording medium comprising: a substrate; an underlayer formed on the substrate;

a magnetic layer formed on the underlayer, wherein the magnetic layer comprising crystal grains having

- (a) an L1₀ structure mainly including Co and Pt, and
- (b) 0.1 to 50 atomic percent of at least one element selected from the group consisting of Ni, Au and Mn; and

a protective layer formed on the magnetic layer.

Claim 12 (Original): The medium according to claim 11, wherein the substrate is a glass substrate.

Claim 13 (Original): The medium according to claim 11, wherein the crystal grain has a composition represented by the following formula:

 $(Co_{1-x}Pt_x)_{100-y}M_y$

where x ranges from 0.4 to 0.6, y ranges from 0.1 to 50, M is at least one element selected from the group consisting of Ni, Au and Mn.

Claim 14 (Original): The medium according to claim 13, wherein x ranges from 0.4 to 0.56, y ranges from 3 to 20.

Claim 15 (Original): The medium according to claim 11, wherein the magnetic layer has a thickness of 50 nm or less.

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Claim 16 (New): The medium according to claim 1, wherein the crystal grain has a composition represented by the following formula:

$$(Fe_{1-x}Pt_x)_{100-y}Cu_y$$

where x ranges from 0.4 to 0.6, y ranges from 0.1 to 50.

Claim 17 (New): The medium according to claim 6, wherein the crystal grain has a composition represented by the following formula:

$$(Fe_{1-x}Pd_x)_{100-y}Cu_y$$

where x ranges from 0.4 to 0.6, y ranges from 0.1 to 50.

Claim 18 (New): The medium according to claim 1, wherein the underlayer is made of MgO.

Claim 19 (New): The medium according to claim 6, wherein the underlayer is made of MgO.

Claim 20 (New): The medium according to claim 11, wherein the underlayer is made of MgO.